

Product Name	: NPS-2143 hydrochloride
Synonyms	: NPS2143 hydrochloride; NPS 2143 hydrochloride
Cat No.	: M14052
CAS Number	: 324523-20-8
Molecular Formula	: C ₂₄ H ₂₆ Cl ₂ N ₂ O ₂
Formula Weight	: 445.38
Chemical Name	: (R)-2-chloro-6-(2-hydroxy-3-((2-methyl-1-(naphthalen-2-yl)propan-2-yl)amino)propoxy)benzonitrile hydrochloride
Description	: A potent, selective and orally active CaSR antagonist with IC ₅₀ of 43 nM; does not inhibit cytoplasmic Ca ²⁺ responses to glutamate in HEK 293 cells engineered to express mGluRs and GABAB receptors; stimulates parathyroid hormone (PTH) secretion from bovine parathyroid cells in vitro (EC ₅₀ =39 nM) and increases plasma PTH levels in vivo; also inhibits lipopolysaccharide-induced pulmonary inflammation. Osteoporosis Discontinued
Pathway	: GPCR/G Protein
Target	: CaSR
Receptor	: CaSR
Solubility	: 10 mM in DMSO
SMILES	: <chem>CC(C)(CC1=CC2=CC=CC=C2C=C1)NCC(COC3=C(C(=CC=C3)Cl)C#N)O.Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Gowen M, et al. J Clin Invest. 2000 Jun;105(11):1595-604. | 2. Nemeth EF, et al. J Pharmacol Exp Ther. 2001 Oct;299(1):323-31. | 3. Lee JW, et al. Mol Immunol. 2017 Oct;90:150-157.